

Converting Colors

XYZ(45.0004, 43.4328, 14.7797)

Have a look what the booklet for
XYZ(45.0004, 43.4328, 14.7797)
contains.

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Color

**XYZ(45.0136, 43.5250,
14.8328)**

Conversions

Conversions Part 1

Format	Color
Hex	DCA756
RGB	220, 167, 86
RGB Percent	86%, 65%, 34%
CMY	0.1373, 0.3451, 0.6627
CMYK	0.00, 0.24, 0.61, 0.14
HSL	36°, 66%, 60%
HSV	36°, 61%, 86%
XYZ	45.0136, 43.5250, 14.8328
YIQ	173.6130, 57.5890, -13.9550

Conversions

Conversions Part 2

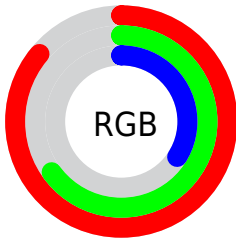
Format	Color
RYB	174, 220, 86
Decimal	14460758
CIELab	71.91, 10.82, 48.66
CIElCh	72, 49.848, 77.469
Yxy	43.5250, 0.4355, 0.4211
Android (android.graphics.Color)	4292650838 (0xFFDCA756)
YUV	173.6130, -43.1932, 40.6814
Hunter-Lab	65.9735, 6.3367, 32.8513

Details

The XYZ color **45.0136, 43.5250, 14.8328** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.9881, 25.6098, 71.2831**, and the grayscale version is **40.2283, 42.3233, 46.0901**.

A 20% lighter version of the original color is **71.9487, 75.3375, 34.7942**, and **21.3344, 20.0642, 4.3384** is the 20% darker color. If you saturate the color by 10%, you get **42.7195, 40.1438, 10.3478**, and if you desaturate by 10%, it is **47.6898, 47.2340, 20.7916**.

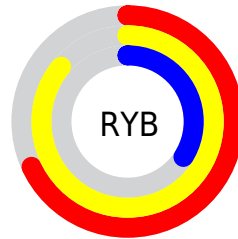
Distribution



Red (86%)

Green (65%)

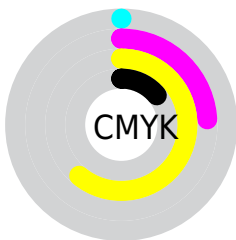
Blue (34%)



Red (68%)

Yellow (86%)

Blue (34%)

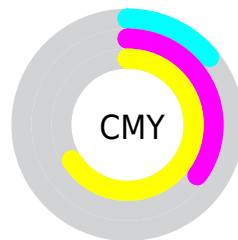


Cyan (0%)

Magenta (24%)

Yellow (61%)

Black (14%)



Cyan (14%)

Magenta (35%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0136, 43.5250, 14.8328 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.0136, 43.5250, 14.8328 by changing the saturation by 10% instead.


 45.0136, 43.5250,
14.8328


 45.0136, 43.5250,
14.8328


357.6114,
360.7664, 233.9578

 31.6695, 30.2973,
8.5568


 81.9778, 80.5025,
35.2977

 21.2635, 20.0643,
4.3604


 106.3285,
105.0211, 50.3238


 13.4303, 12.4418,
1.8251


 135.0788,
134.0720, 69.1036

 7.8045, 7.0453,
0.4444

 168.5940,
168.0397, 92.0556

 4.0209, 3.4905,
0.0000

 207.2396,
207.3086, 119.5986

 1.7140, 1.3928,
0.0000

251.3807,

 0.4650, 0.2114,

252.2631, 152.1509

0.0000

301.3829,
303.2876, 190.1311

■ 0.0000, 0.0000,
0.0000

■ 45.0136, 43.5250,
14.8328

■ 45.0136, 43.5250,
14.8328

■ 42.7195, 40.1438,
10.3478

■ 47.6898, 47.2340,
20.7916

■ 40.7764, 37.0696,
7.1967

■ 50.7696, 51.2777,
28.3416

■ 39.1521, 34.2876,
5.2166

■ 54.2764, 55.6702,
37.5914

■ 37.9017, 31.9889,
4.1768

■ 58.2307, 60.4227,
48.6391

■ 62.6514, 65.5460,
61.5753

■ 67.5563, 71.0499,
76.4844

■ 72.9621, 76.9442,
93.4457

■ 77.7365, 82.7786,
106.4884

■ 80.3115, 87.9287,
107.3468

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.4163, 43.5250, 20.6109



45.0136, 43.5250, 14.8328



36.6591, 43.5250, 15.3187

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.0136, 43.5250, 14.8328



27.6682, 43.5250, 62.8590



54.6044, 43.5250, 86.5469

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.0136, 43.5250, 14.8328



25.9881, 25.6098, 71.2831

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.4664, 43.5250, 107.4479



45.0136, 43.5250, 14.8328



31.2850, 43.5250, 90.8731

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.0136, 43.5250, 14.8328



27.3907, 43.5250, 37.9531



37.9270, 43.5250, 109.2574



59.4411, 43.5250, 58.2774

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.0136, 43.5250, 14.8328



32.2109, 43.5250, 19.1244



37.9270, 43.5250, 109.2574



52.1172, 43.5250, 95.0320

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.0146, 43.5271, 14.8336



83.0010, 86.3485, 72.6788



37.5472, 23.7532, 27.2629



17.3932, 18.0448, 14.4838



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.0146, 43.5271, 14.8336



58.9110, 54.8909, 13.0959



52.8932, 65.0657, 18.5758



13.7076, 14.3546, 13.7738



22.3558, 18.9972, 2.4885



1.5315, 1.3971, 0.1889

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.9881, 25.6098, 71.2831



30.2365, 27.9655, 98.4120



21.4358, 14.4986, 69.3783



12.7591, 13.4579, 16.5773



9.6838, 7.2369, 40.6249



0.7100, 0.6340, 2.6594

Previews

White Background



This preview shows how the XYZ color 45.0136, 43.5250, 14.8328 looks on a white background.

Color Contrast Check

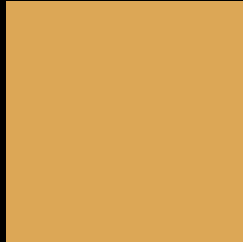
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.0136, 43.5250, 14.8328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0136, 43.5250, 14.8328

Background



This preview shows how black text looks on a background with the XYZ color 45.0136, 43.5250, 14.8328.



This preview shows how white text looks on a background with the XYZ color 45.0136, 43.5250,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.0136, 43.5250, 14.8328

Protanopia

40.0310, 43.7677, 15.7893

Deuteranopia

44.5958, 43.5826, 14.8659



Tritanopia

51.1611, 43.6869, 43.7661

Trichromacy



Original Color

45.0136, 43.5250, 14.8328

Protanomaly

41.6069, 43.4291, 15.4223

Deuteranomaly

44.8958, 43.7372, 14.8800

Tritanomaly

48.1455, 43.2011, 30.2272

Monochromacy



Original Color

45.0136, 43.5250, 14.8328

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.9313, 42.1552, 31.5706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0136, 43.5250, 14.8328 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(220, 167, 86)` looks like.

```
.text, #text, p{  
    color:rgb(220, 167, 86)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(220, 167, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 167, 86) }
```

Border

The CSS property to change the border of an element to XYZ 45.0136, 43.5250, 14.8328 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 167, 86) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(220, 167, 86) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(220, 167, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 167, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 167, 86);  
box-shadow:4px 4px 4px 4px rgb(220, 167,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0136, 43.5250, 14.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 167, 86) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(220,  
167, 86) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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